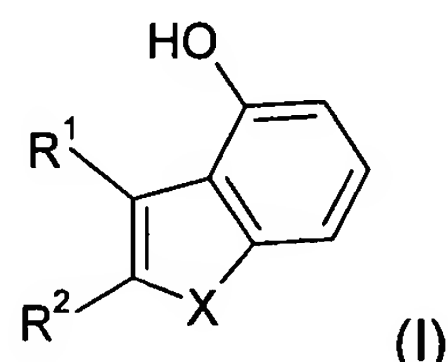


Please amend the subject application as follows:

In the claims:

Amend the claims to read as follows:

1. (amended) A process preparing a compound of the formula:



wherein

R^1 and R^2 are independently selected from the group consisting of hydrogen and lower-alkyl; or

R^1 and R^2 together with the ring carbon atoms to which they are attached form a monovalent carbocyclic or a monovalent carbocyclic aromatic ring or a monovalent carbocyclic or monovalent carbocyclic aromatic ring may substituted by halogen, lower-alkyl or lower-alkoxy;

X is O, S or N-Z;

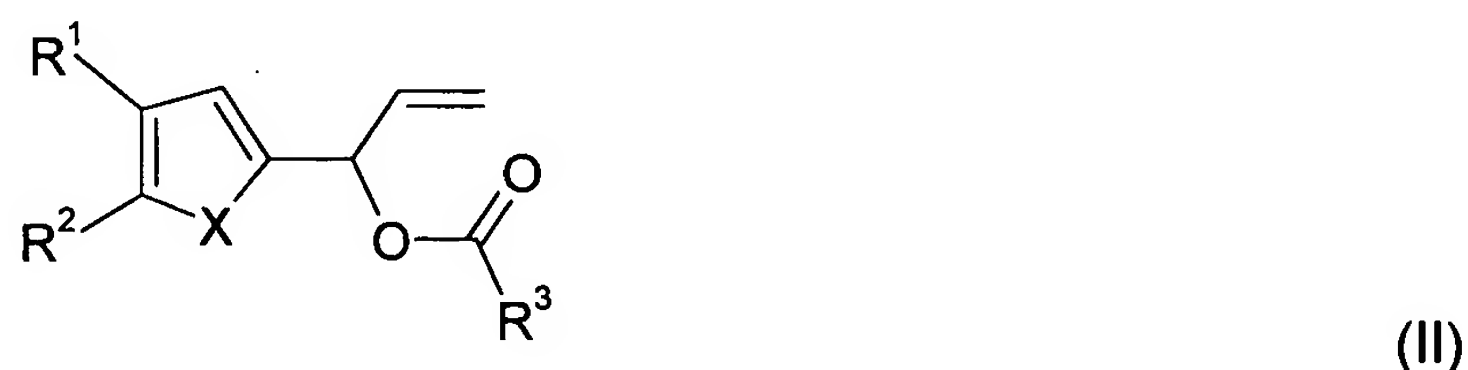
Z is an amino protecting group selected from the group consisting of SO_2R^a , NMe_2 , CO_2R^b and $CON(R^c)_2$;

R^a is lower-alkyl or aryl; and

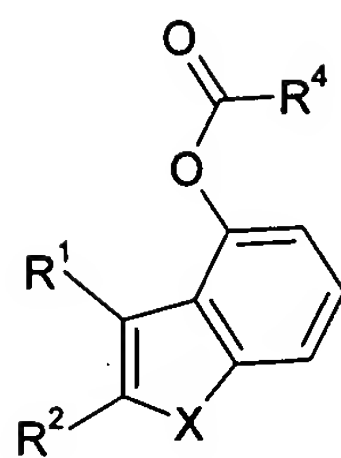
R^b and R^c are lower-alkyl;

which comprises:

- (a) cyclocarbonylating a compound of formula:



wherein R^3 is lower-alkyl, aryl or aralkyl, and R^1 , R^2 and X are as defined above;
to form a compound of formula:



(III)

wherein R⁴ is lower-alkyl or aryl and R¹, R² and X are as defined above; and

(b) saponifying the compound of formula (III) to produce the compound of formula (I).

2. (cancelled)

3. (original) The process according to claim 1, wherein Z is SO₂R^a and R^a is phenyl.

4. (original) The process according to claim 1, wherein R¹ and R² together with the ring carbon atoms to which they are attached form a phenyl ring.

5. (original) The process according to claim 1, wherein R³ is methyl or phenyl.

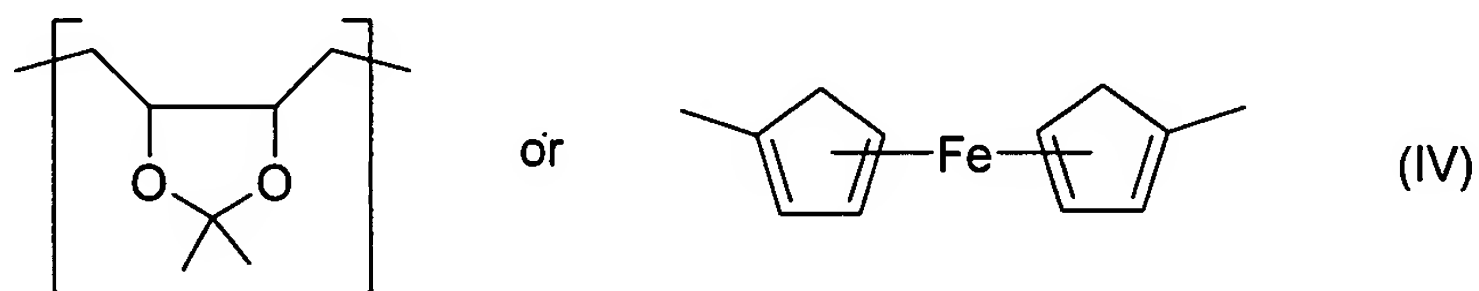
6. (original) The process according to claim 1, wherein the cyclocarbonylating is carried out in the presence of a base, an anhydride, and a catalyst comprising a transition metal compound and a ligand.

7. (original) The process according to claim 6, wherein the transition metal compound is a palladium salt.

8. (original) The process according to claim 7, wherein the transition metal compound is selected from the group consisting of Pd(OAc)₂, Pd₂dba₃, PdCl₂, Pd₂Cl₂(□-allyl)₂, PdCl₂(NCMe)₂, [Pd(NCMe)₄](BF₄)₂ or Pd/C.

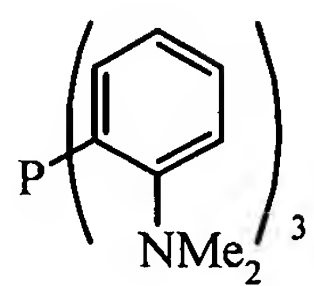
9. The process according to claim 8, wherein the transition metal compound is $\text{Pd}(\text{OAc})_2$.

10. (original) The process according to claim 6, wherein the ligand is $\text{P}(\text{R}^5)(\text{R}^6)(\text{R}^7)$ or $(\text{R}^5)(\text{R}^6)\text{P}-(\text{Y})-\text{P}(\text{R}^5)(\text{R}^6)$ wherein R^5 , R^6 and R^7 each independently are C_{1-8} -alkyl, cyclohexyl, benzyl, naphthyl, 2- or 3-pyrrolyl, 2- or 3-furyl, 2- or 3-thiophenyl, 2- or 3- or 4-pyridyl, phenyl or phenyl which is substituted by C_{1-4} -alkyl, C_{1-4} -alkoxy, halogen, trifluoromethyl, lower alkyldenedioxy or phenyl and Y is binaphthyl, 6,6'-dimethyl- or 6,6'-dimethoxybiphenyl-2,2'-diyl, or one of the groups $-(\text{CH}_2)_n-$, $-\text{CH}_2\text{CH}_2-\text{P}(\text{C}_6\text{H}_5)-\text{CH}_2\text{CH}_2-$,

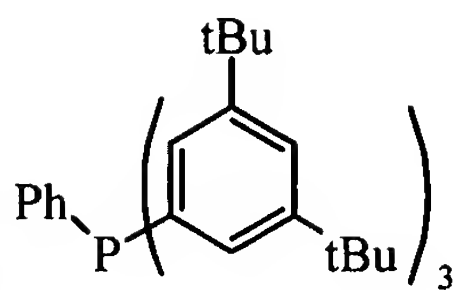


and n is a number of 1 – 8.

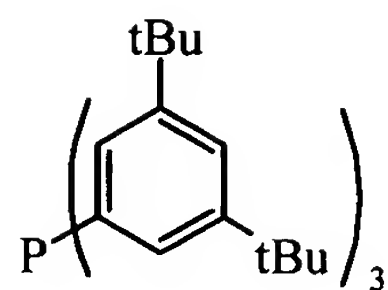
11. (original) The process according to claim 10, wherein the ligand is selected from the group consisting of triphenylphosphine, and



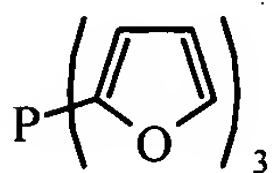
P(o-DMA-Ph)₃



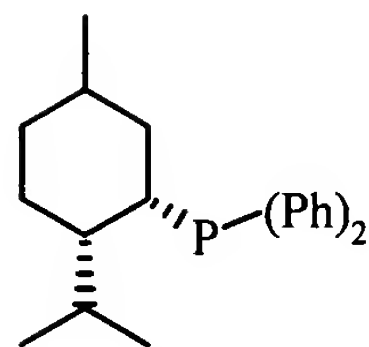
PPh(3,5-tBu-Ph)₂



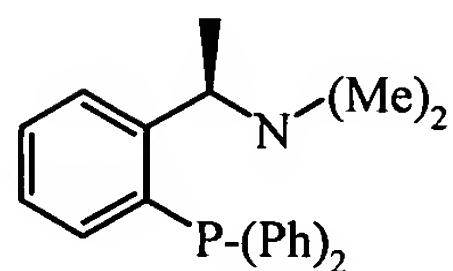
P(3,5-tBu-Ph)₃



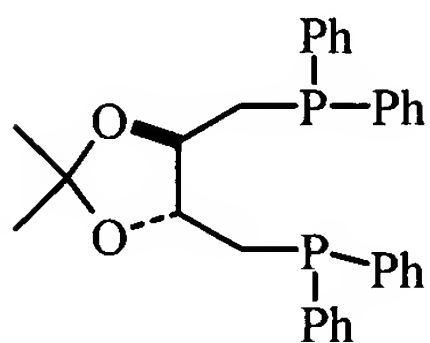
P(2-Furyl)₃



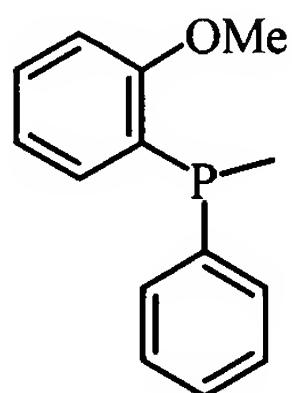
NMDPP



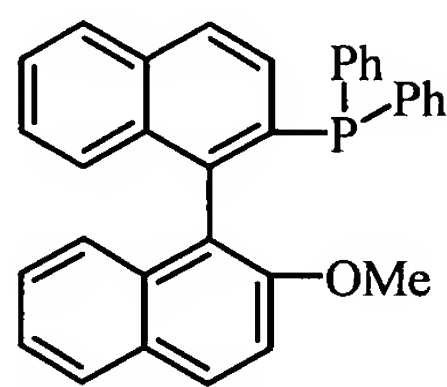
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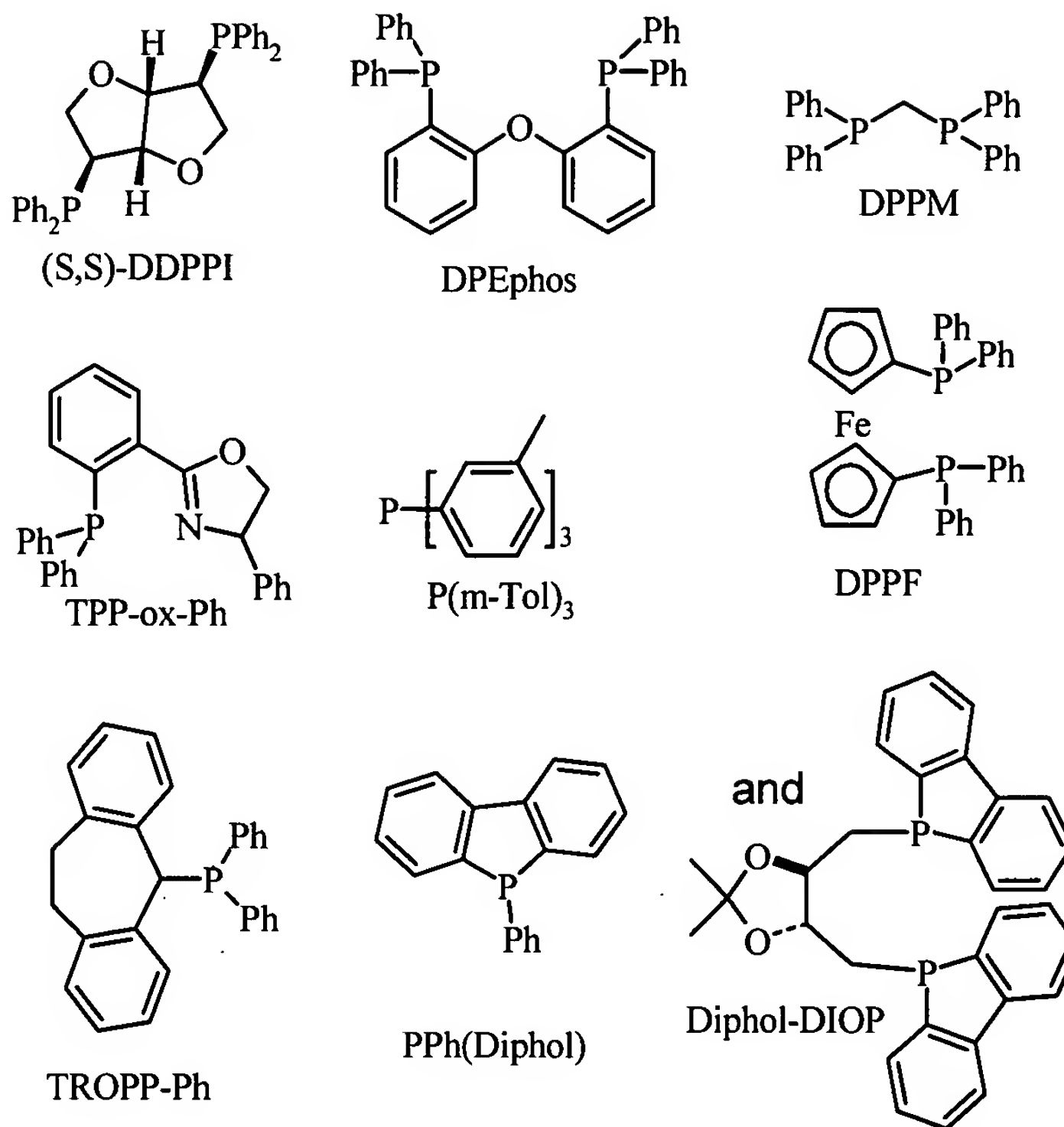
DIOP



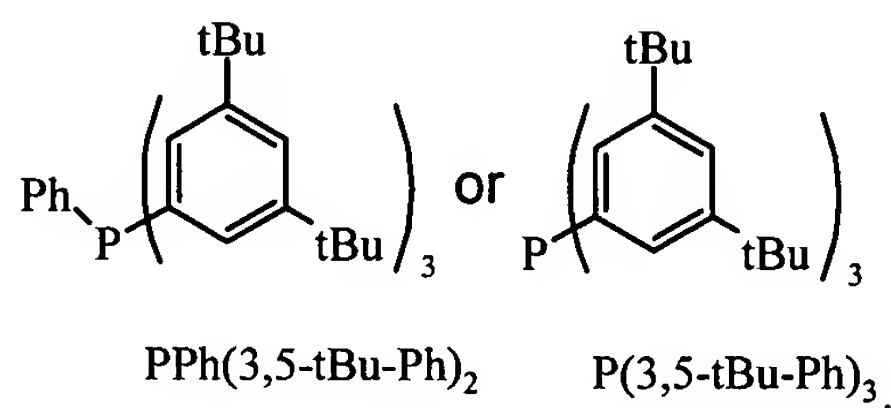
PAMP



MOP

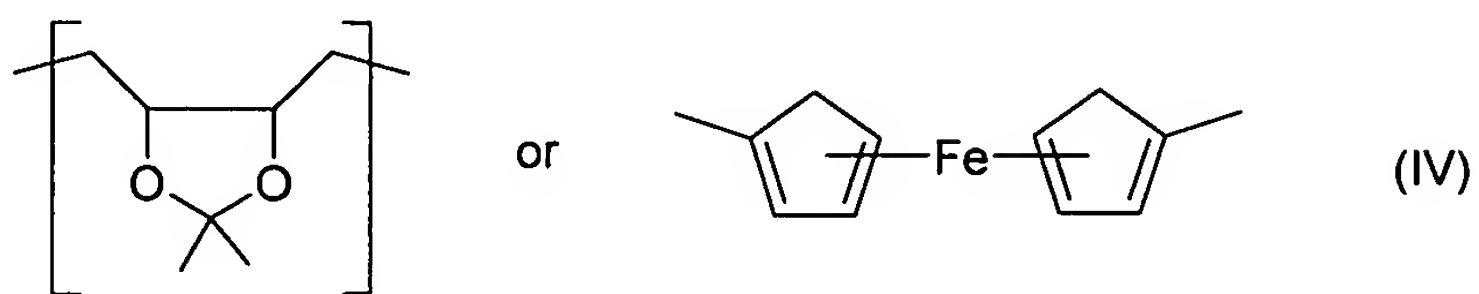


12. (original) The process according to claim 11, wherein the ligand is triphenylphosphine,



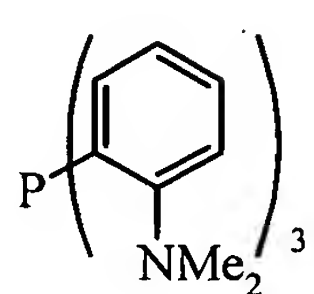
13. (original) The process according to claim 8, wherein the ligand is P(R⁵)(R⁶)(R⁷) or (R⁵)(R⁶)P-(Y)-P(R⁵)(R⁶) wherein R⁵, R⁶ and R⁷ each independently are C₁₋₈-alkyl, cyclohexyl, benzyl, naphthyl, 2- or 3-pyrrolyl, 2- or 3-furyl, 2- or 3-thiophenyl, 2- or 3- or 4-pyridyl, phenyl or phenyl which is substituted by C₁₋₄-alkyl, C₁₋₄-alkoxy, halogen, trifluoromethyl, lower alkyldenedioxy or phenyl and Y is binaphthyl,

6,6'-dimethyl- or 6,6'-dimethoxybiphenyl-2,2'-diyl, or one of the groups
-(CH₂)_n-, -CH₂CH₂-P(C₆H₅)-CH₂CH₂-,

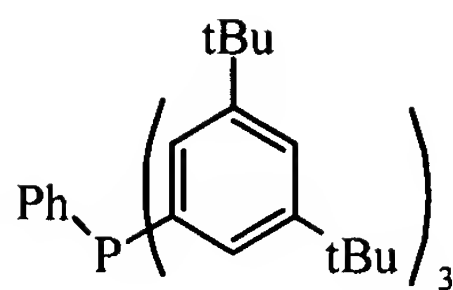


and n is a number of 1 – 8.

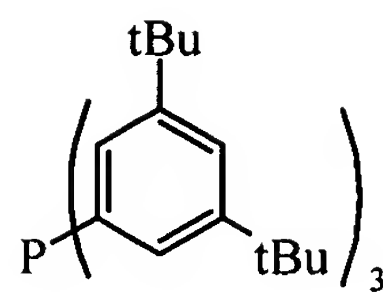
14. (original) The process according to claim 13, wherein the ligand is selected from the group consisting of triphenylphosphine, and



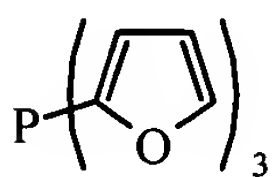
P(o-DMA-Ph)₃



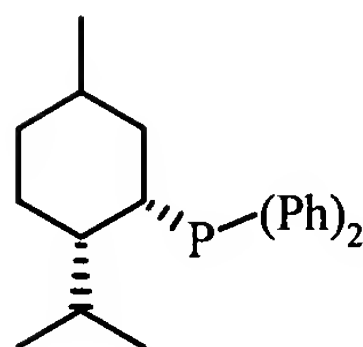
PPh(3,5-tBu-Ph)₂



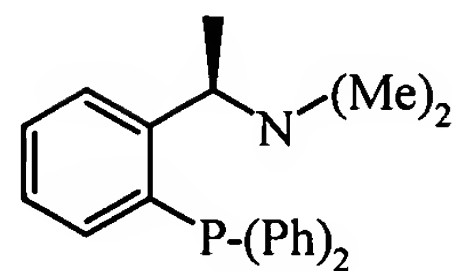
P(3,5-tBu-Ph)₃



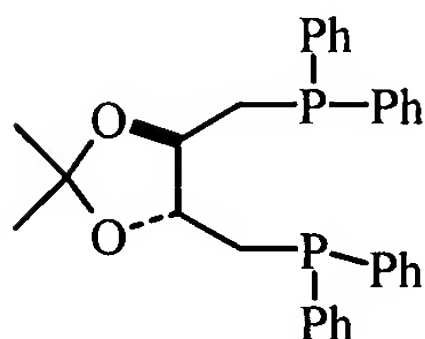
P(2-Furyl)₃



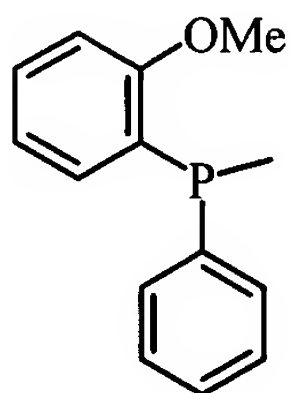
NMDPP



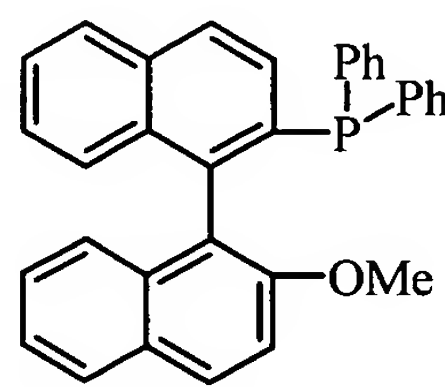
AMPHOS



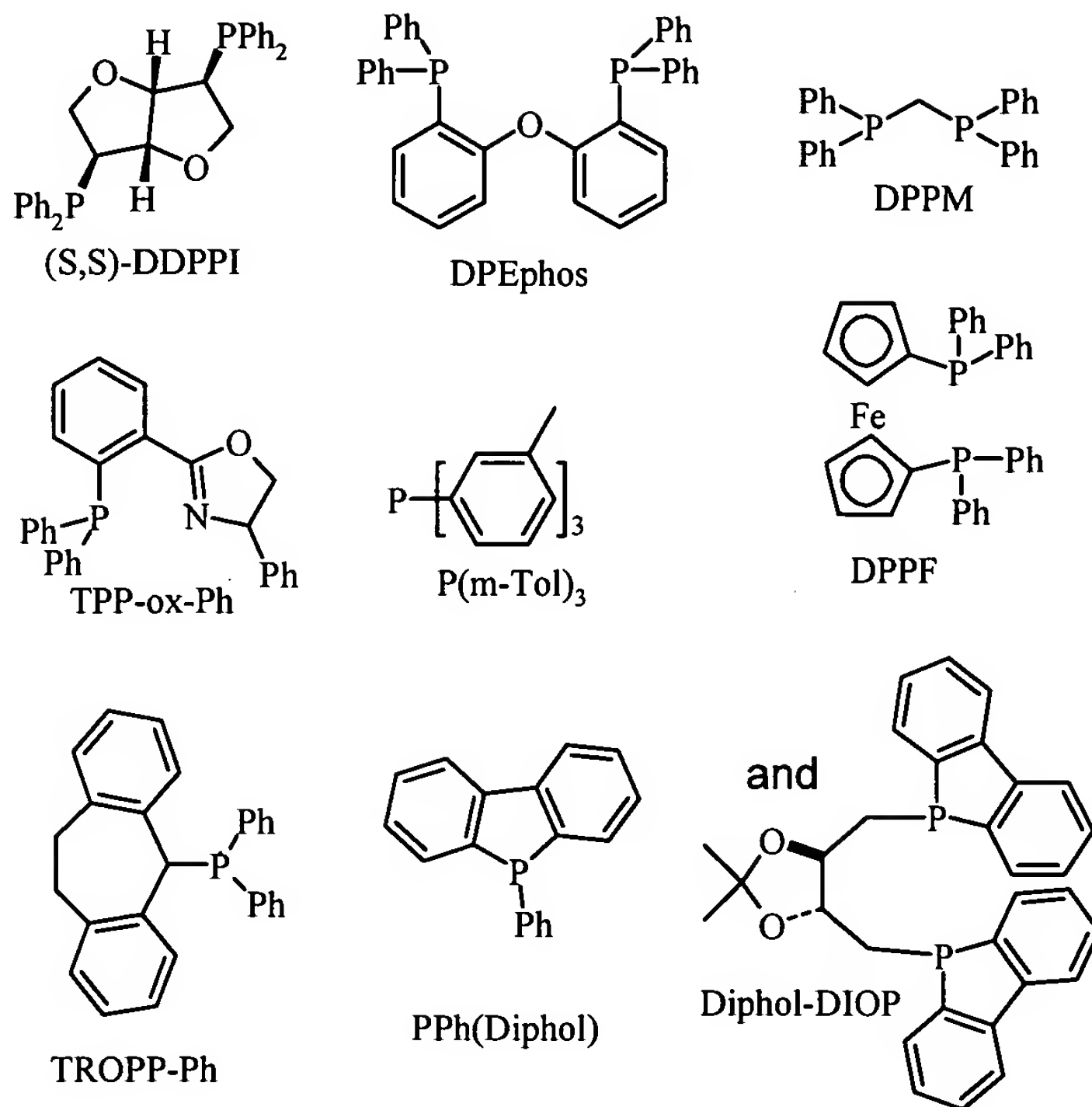
DIOP



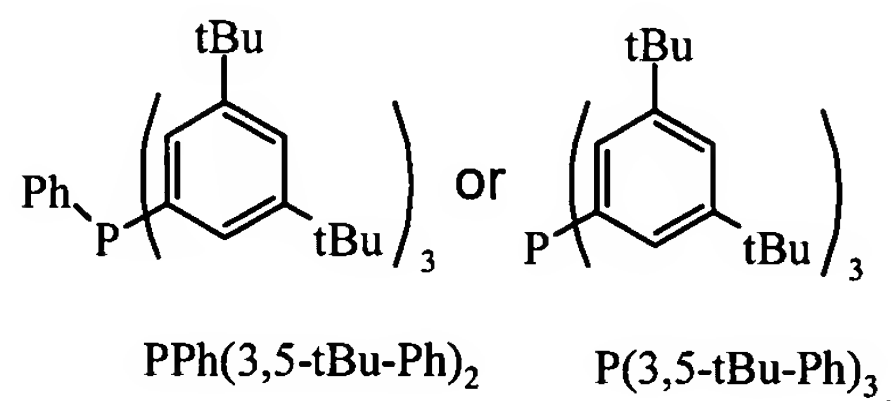
PAMP



MOP



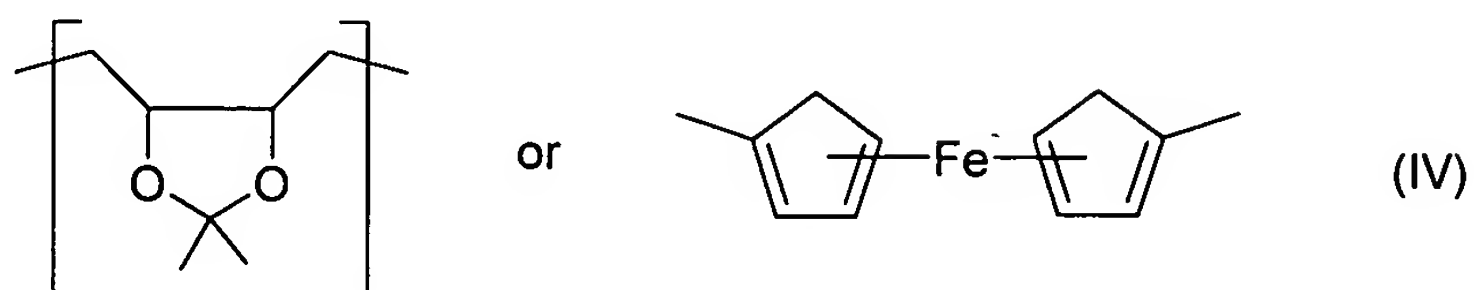
15. (amended) The process according to claim 14, wherein the ligand is triphenylphosphine,



13.

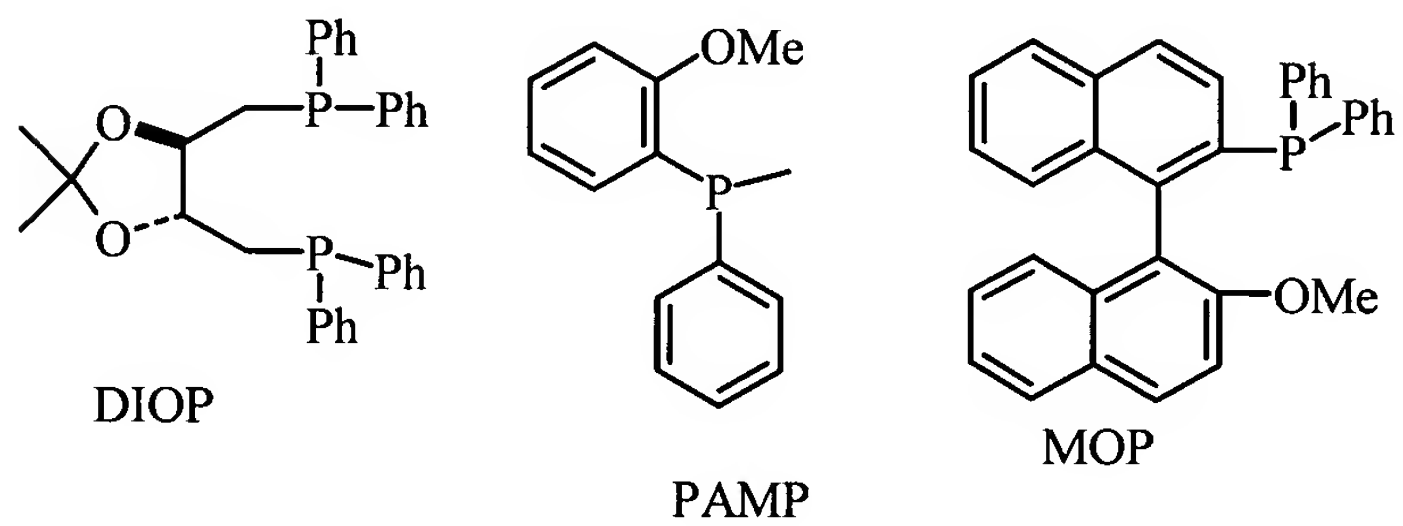
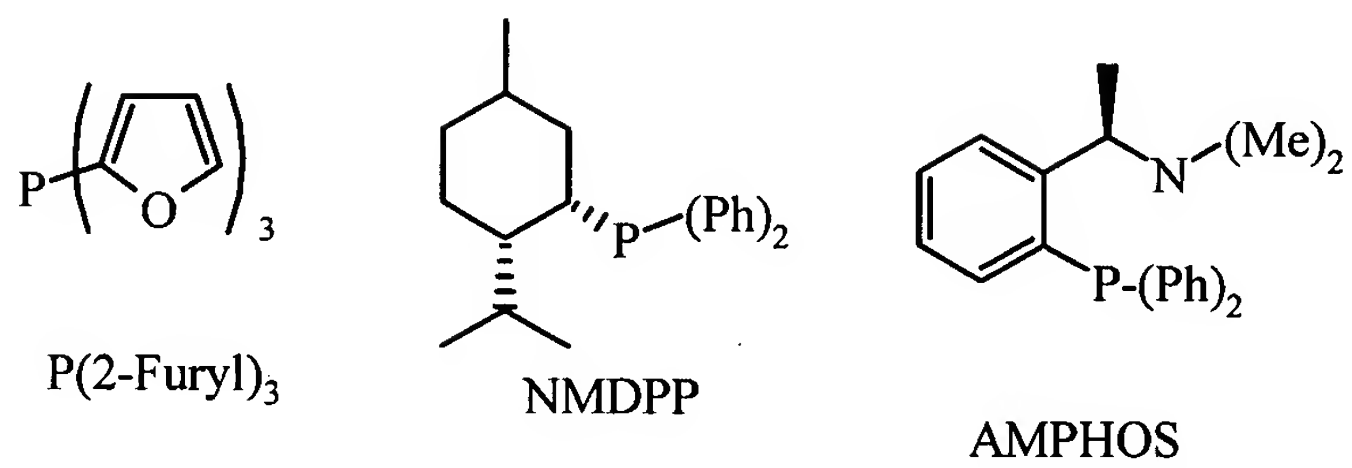
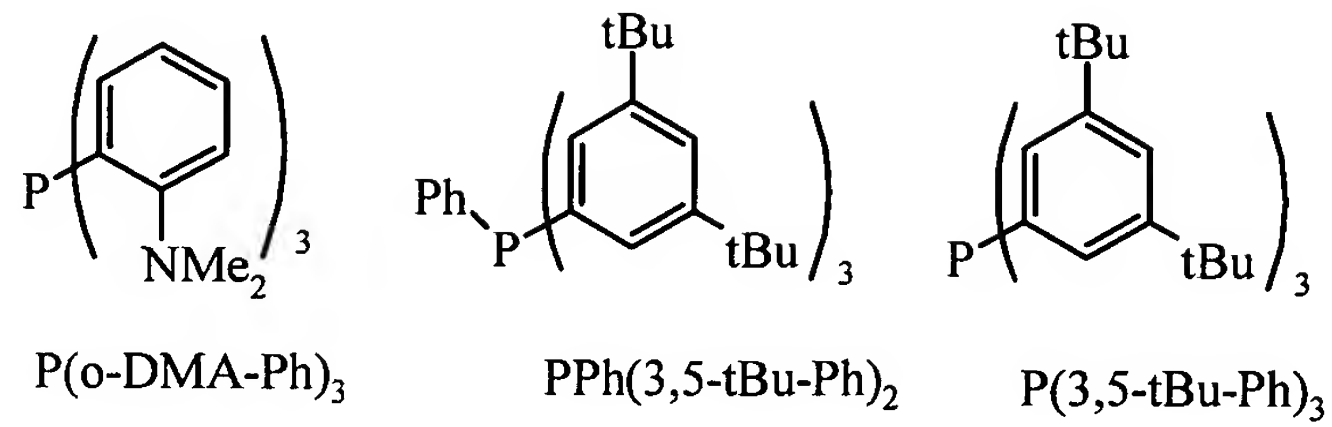
16. (original) The process according to claim 9, wherein the ligand is $P(R^5)(R^6)(R^7)$ or $(R^5)(R^6)P-(Y)-P(R^5)(R^6)$ wherein R^5 , R^6 and R^7 each independently are C_{1-8} -alkyl, cyclohexyl, benzyl, naphthyl, 2- or 3-pyrrolyl, 2- or 3-furyl, 2- or 3-thiophenyl, 2- or 3- or 4-pyridyl, phenyl or phenyl which is substituted by C_{1-4} -alkyl, C_{1-4} -alkoxy, halogen, trifluoromethyl, lower alkyldenedioxy or phenyl and Y is binaphthyl,

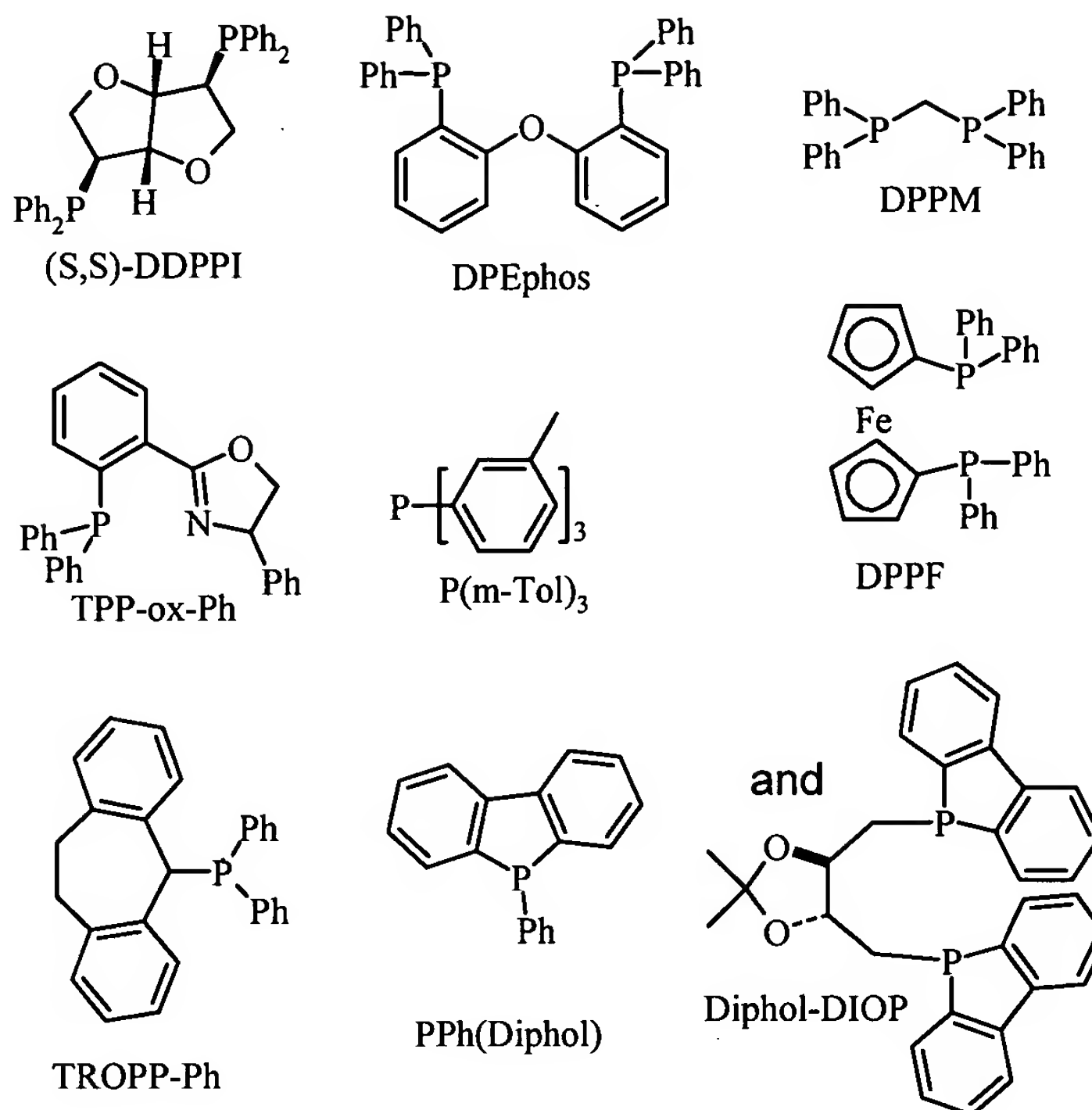
6,6'-dimethyl- or 6,6'-dimethoxybiphenyl-2,2'-diyl, or one of the groups $-(CH_2)_n-$, $-CH_2CH_2-P(C_6H_5)-CH_2CH_2-$,



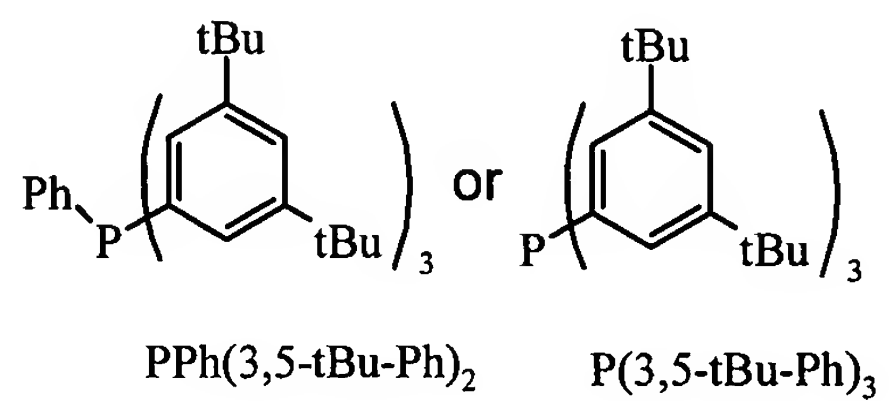
and n is a number of 1 – 8.

17. (original) The process according to claim 16, wherein the ligand is selected from the group consisting of triphenylphosphine, and





18. (original) The process according to claim 17, wherein the ligand is triphenylphosphine,



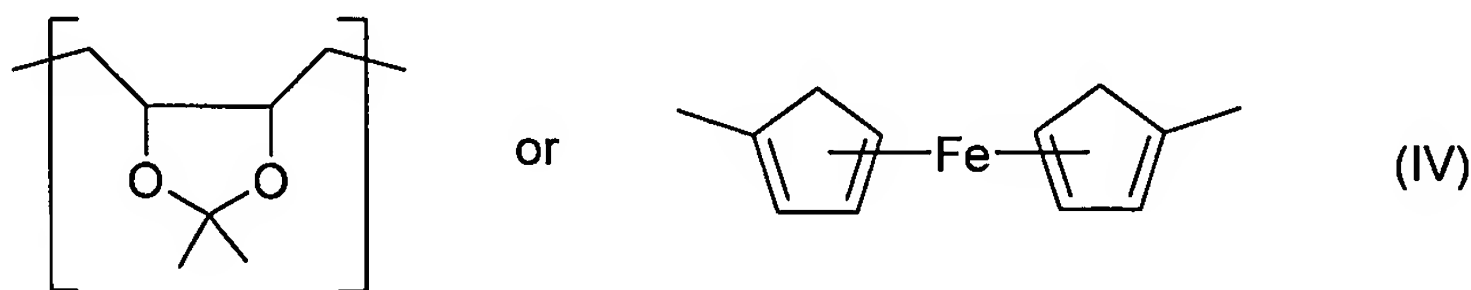
19. (original) The process according to claim 6, wherein the cyclocarbonylating is carried out in the presence of a base selected from the group consisting of tri-alkylamines, di-alkyl-aryl-amines, pyridines, alkyl-N-piperidines, sodium hydroxide, potassium hydroxide or salts of carbonic acids.

20. (original) The process according to claim 19, wherein the cyclocarbonylating is carried out in the presence of triethylamine.
21. (original) The process according to claim 10, wherein the cyclocarbonylating is carried out in the presence of a base selected from the group consisting of tri-alkyl-amines, di-alkyl-aryl-amines, pyridines, alkyl-N-piperidines, sodium hydroxide, potassium hydroxide or salts of carbonic acids.
22. (original) The process according to claim 21, wherein the cyclocarbonylating is carried out in the presence of triethylamine.
23. (original) The process according to claim 11, wherein the cyclocarbonylating is carried out in the presence of a base selected from the group consisting of tri-alkyl-amines, di-alkyl-aryl-amines, pyridines, alkyl-N-piperidines, sodium hydroxide, potassium hydroxide or salts of carbonic acids.
24. (original) The process according to claim 23, wherein the cyclocarbonylating is carried out in the presence of triethylamine.
25. (original) The process according to claim 12, wherein the cyclocarbonylating is carried out in the presence of a base selected from the group consisting of tri-alkyl-amines, di-alkyl-aryl-amines, pyridines, alkyl-N-piperidines, sodium hydroxide, potassium hydroxide or salts of carbonic acids.
26. (original) The process according to claim 25, wherein the cyclocarbonylating is carried out in the presence of triethylamine.
27. (original) The process according to claim 6, wherein the cyclocarbonylating is carried out in the presence of an anhydride of the formula $(R^4(C=O))_2O$, wherein R^4 is as defined in claim 1.

28. (original) The process according to claim 27, wherein the cyclocarbonylating is carried out in the presence of an anhydride selected from acetic anhydride, propionic anhydride, butyric anhydride, isobutyric anhydride, pivalic anhydride and benzoic anhydride.

29. (original) The process according to claim 1, wherein the saponifying is carried out in a biphasic mixture of sodium hydroxide in toluene or in a homogeneous mixture of sodium methylate in methanol.

30. (original) The process according to claim 6, wherein the cyclocarbonylating is carried out in the presence of a base selected from the group consisting of tri-alkyl-amines, di-alkyl-aryl-amines, pyridines, alkyl-N-piperidines, sodium hydroxide, potassium hydroxide and salts of carbonic acids; an anhydride of the formula $(R^4(C=O))_2O$, wherein R^4 is as defined in claim 1; and a catalyst comprising a transition metal compound selected from the group consisting of $Pd(OAc)_2$, Pd_2dba_3 , $PdCl_2$, $Pd_2Cl_2(\eta\text{-allyl})_2$, $PdCl_2(NCMe)_2$, $[Pd(NCMe)_4](BF_4)_2$, and Pd/C , and a ligand selected from the group consisting of $P(R^5)(R^6)(R^7)$ and $(R^5)(R^6)P-(Y)-P(R^5)(R^6)$ wherein R^5 , R^6 and R^7 each independently are C_{1-8} -alkyl, cyclohexyl, benzyl, naphthyl, 2- or 3-pyrrolyl, 2- or 3-furyl, 2- or 3-thiophenyl, 2- or 3- or 4-pyridyl, phenyl or phenyl which is substituted by C_{1-4} -alkyl, C_{1-4} -alkoxy, halogen, trifluoromethyl, lower alkyldenedioxy or phenyl and Y is binaphthyl, 6,6'-dimethyl- or 6,6'-dimethoxybiphenyl-2,2'-diyl, or one of the groups $-(CH_2)_n-$, $-CH_2CH_2-P(C_6H_5)-CH_2CH_2-$,



and n is a number of 1 – 8.

31. (original) The process according to claim 30, wherein the saponifying is carried out in a biphasic mixture of sodium hydroxide in toluene or in a homogeneous mixture of sodium methylate in methanol.

32. (cancelled)

33. (cancelled)